

ABSTRACT

METHODS AND APPARATUS FOR
SIMULATING INDUSTRIAL PROCESSES

5 In order to design and implement industrial processes in
an efficient manner, an apparatus (1) is provided which
can simulate a process to be implemented. The processing
10 of the simulation is controlled by a modelling module
(17) and is arranged to cause the constraints on
scheduling batches in the simulation to correspond to the
constraints in actual processing where mixing of batches
initiated at different times is avoided. This is
15 achieved by the modelling module (17), whenever a batch
is initiated in the simulation, scheduling the following
batch to be initiated, the greatest of either the maximum
time items of equipment require to process the batch
initiated if no delays occur within the system or the
20 greatest time for processing batches of items equipment
currently in use.

(Figure 2)